



PRODUCT-DETAILS

# SU203MR-K0.5

## Miniature Circuit Breaker - SU200MR - 3P - 0.5 A - K



| General Information   |                                                                      |
|-----------------------|----------------------------------------------------------------------|
| Extended Product Type | SU203MR-K0.5                                                         |
| Product ID            | 2CDS273347R0157                                                      |
| EAN                   | 4016779958219                                                        |
| Catalog Description   | Miniature Circuit Breaker - SU200MR - 3P - 0.5 A - K                 |
| Long Description      | SU203MR-K0.5 MCB K-Char., 10kA, 0.5A, 3P, RTT UL 489, Ring Cable Lug |

| Technical                                           |                                                                                           |
|-----------------------------------------------------|-------------------------------------------------------------------------------------------|
| Tripping Characteristic                             | K                                                                                         |
| Rated Operational Voltage                           | acc. to IEC 60898-1 400 V AC<br>acc. to IEC 60898-1 400 V<br>acc. to IEC 60947-2 400 V AC |
| Rated Insulation Voltage (U <sub>i</sub> )          | acc. to IEC/EN 60664-1 440 V                                                              |
| Rated Impulse Withstand Voltage (U <sub>imp</sub> ) | 4 kV<br>at 2000 m 5 kV<br>at Sea Level 6.2 kV                                             |
| Input Voltage Type                                  | AC                                                                                        |
| Rated Current (I <sub>n</sub> )                     | 0.5 A                                                                                     |

|                                                                   |                                                                                                                                                                                                                |
|-------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Rated Short-Circuit Capacity                                      | (230 V AC) 10 kA<br>(400 V AC) 10 kA                                                                                                                                                                           |
| Rated Ultimate Short-Circuit Breaking Capacity (I <sub>cu</sub> ) | (230 V AC) 10 kA<br>(400 V AC) 15 kA<br>(400 V) 6 kA                                                                                                                                                           |
| Rated Conditional Short-Circuit Current (I <sub>nc</sub> )        | (230 V) 10 kA<br>(400 V) 10 kA                                                                                                                                                                                 |
| Rated Service Short-Circuit Breaking Capacity (I <sub>cs</sub> )  | (400 V AC) 11.2 kA                                                                                                                                                                                             |
| Rated Frequency (f)                                               | 50 / 60 Hz                                                                                                                                                                                                     |
| Power Loss                                                        | 4.2 W<br>at Rated Operating Conditions per Pole 1.4 W                                                                                                                                                          |
| Energy Limiting Class                                             | 3                                                                                                                                                                                                              |
| Number of Protected Poles                                         | 3                                                                                                                                                                                                              |
| Number of Poles                                                   | 3P                                                                                                                                                                                                             |
| Overvoltage Category                                              | III                                                                                                                                                                                                            |
| Screw Terminal Type                                               | Ring-Tongue Terminal with Captive Screw                                                                                                                                                                        |
| Options Provided                                                  | Ring tongue                                                                                                                                                                                                    |
| Recommended Screw Driver                                          | Pozidriv 2                                                                                                                                                                                                     |
| Accessories Available                                             | Yes                                                                                                                                                                                                            |
| Connecting Capacity                                               | Flexible with Ferrule 0.75 ... 25 mm <sup>2</sup><br>Flexible 0.75 ... 25 mm <sup>2</sup><br>Flexible 0.75 ... 25 mm <sup>2</sup><br>Rigid 0.75 ... 35 mm <sup>2</sup><br>Stranded 0.75 ... 35 mm <sup>2</sup> |
| Terminal Type                                                     | Ring-Tongue Terminals                                                                                                                                                                                          |

Material Compliance

|                                             |                                                                        |
|---------------------------------------------|------------------------------------------------------------------------|
| RoHS Information                            | 2CDK400616D2703                                                        |
| RoHS Status                                 | Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019 |
| RoHS Date                                   | 20200320                                                               |
| REACH Declaration                           | 9AKK107492A1906                                                        |
| REACH Information                           | True - contains substances > 0.1 mass percentage                       |
| REACH Date                                  | 20240821                                                               |
| Conflict Minerals Reporting Template (CMRT) | 9AKK108468A3363                                                        |

Environmental

|                           |                          |
|---------------------------|--------------------------|
| Ambient Air Temperature   | Operation -25 ... +55 °C |
| Degree of Protection      | IP20                     |
| Pollution Degree          | 3                        |
| Environmental Information | 9AKK107680A9140          |

Technical UL/CSA

|                                   |                                             |
|-----------------------------------|---------------------------------------------|
| Interrupting Rating acc. to UL489 | (240 V AC) 10 kA<br>(480Y / 277 V AC) 10 kA |
|-----------------------------------|---------------------------------------------|

|                                     |         |
|-------------------------------------|---------|
| <b>Dimensions</b>                   |         |
| Width in Number of Modular Spacings | 3.0     |
| Product Net Width                   | 52.5 mm |
| Product Net Height                  | 115 mm  |
| Product Net Depth / Length          | 71 mm   |
| Product Net Weight                  | 0.42 kg |
| Built-In Depth (t <sub>2</sub> )    | 69 mm   |

|                              |                |
|------------------------------|----------------|
| <b>Ordering</b>              |                |
| Package Level 1 Units        | carton 3 piece |
| Package Level 1 Gross Weight | 1.32 kg        |

|                                      |                 |
|--------------------------------------|-----------------|
| <b>Certificates and Declarations</b> |                 |
| CSA Certificate                      | 2CDZ405000A0575 |
| Declaration of Conformity - CE       | 2CDK400616D2703 |
| Declaration of Conformity - UKCA     | 9AKK108467A5203 |
| UL Certificate                       | 2CDZ405000A0085 |

|                          |                 |
|--------------------------|-----------------|
| <b>Installation</b>      |                 |
| Instructions and Manuals | 2CDC002184D0202 |

|                                   |                 |
|-----------------------------------|-----------------|
| <b>Popular Downloads</b>          |                 |
| Data Sheet, Technical Information | 2CDC002184D0202 |

|                                               |                                                            |
|-----------------------------------------------|------------------------------------------------------------|
| <b>External Classifications and Standards</b> |                                                            |
| ETIM 8                                        | EC000042 - Miniature circuit breaker (MCB)                 |
| ETIM 9                                        | EC000042 - Miniature circuit breaker (MCB)                 |
| WEEE Category                                 | 5. Small Equipment (No External Dimension More Than 50 cm) |
| WEEE B2C / B2B                                | Business To Business                                       |
| CN8                                           | 8536 20 10                                                 |
| UNSPSC                                        | 39121603                                                   |
| eClass                                        | V11.0 : 27141901                                           |
| IDEA Granular Category Code (IGCC)            | 4899 >> Miniature circuit breaker (MCB) screw-in model     |
| Standards                                     | CSA 22.2 No. 5<br>IEC/EN 60947-2<br>UL 489                 |
| Certification Agency                          | CSA<br>EN<br>IEC<br>UL                                     |

Accessories

| Identifier      | Description                | Type      | Quantity | Unit Of Measure |
|-----------------|----------------------------|-----------|----------|-----------------|
| 2CCA880100R0001 | Sensor                     | CMS-100PS | 1        | piece           |
| 2CCA880101R0001 | Sensor                     | CMS-101PS | 1        | piece           |
| 2CCA880102R0001 | Sensor                     | CMS-102PS | 1        | piece           |
| 2CDS200914R0001 | Auxiliary Contact          | S2C-H6RU  | 1        | piece           |
| 2CDS200924R0001 | Signal / Auxiliary Contact | S2C-S6RU  | 1        | piece           |
| 2CDS200908R0001 | Shunt Trip                 | S2C-A1U   | 1        | piece           |
| 2CDS200908R0002 | Shunt Trip                 | S2C-A2U   | 1        | piece           |

Categories

Low Voltage Products and Systems → Modular DIN Rail Products → Miniature Circuit Breakers MCBs → Miniature Circuit Breakers MCBs

